

# OPTICAL RECORDING SYSTEM WITH A BUILT-IN JITTER

## Abstract

An optical recording system for burning an optical disc includes a housing, a laser pickup installed inside the housing for writing data onto the optical disc according to a write strategy and reading an RF signal from the optical disc, a laser drive connected to the laser pickup for controlling operations of the laser pickup, a read channel installed connected to the laser pickup for processing the RF signal received by the laser pickup, a jitter meter installed inside the housing connected to the read channel for generating delay signals according to the processed RF signal, and a digital signal processor connected to the laser drive and the jitter meter for receiving the delay signals, configuring the write strategy according to the delay signals, and controlling the laser drive to control the laser pickup to write data onto the optical disc according to the configured write strategy.